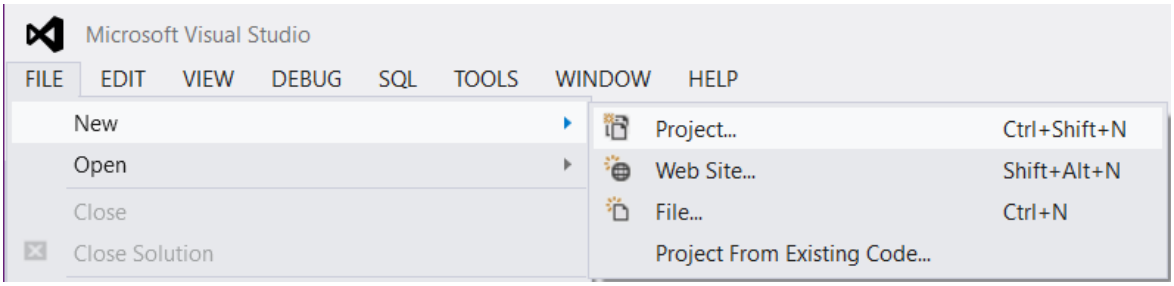
First SSIS Package

Contents

Chapter 1. Your First SSIS Package

These steps describe how to make an SSIS package to move data from Excel file to a flat file (.csv)

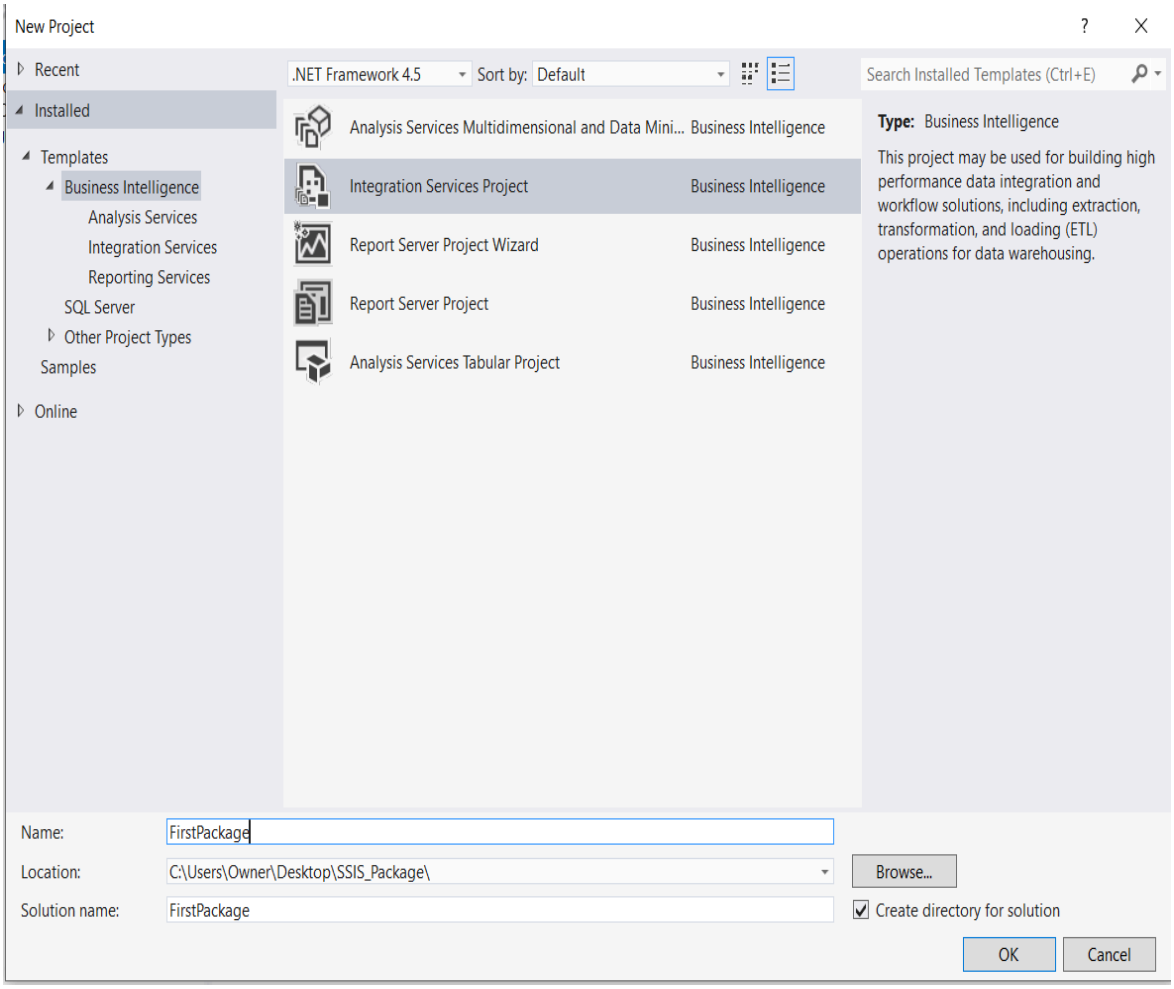
1. Launch BIDS/DST
2. Create New Project



   Make sure to select 'BI Projects & Integration Services Projects
3. Create a Solution

   Solution is the highest level. It can contain multiple projects of different types

   Make sure to create a directory for the Solution. This directory will contain all Projects and Packages
4. Click OK

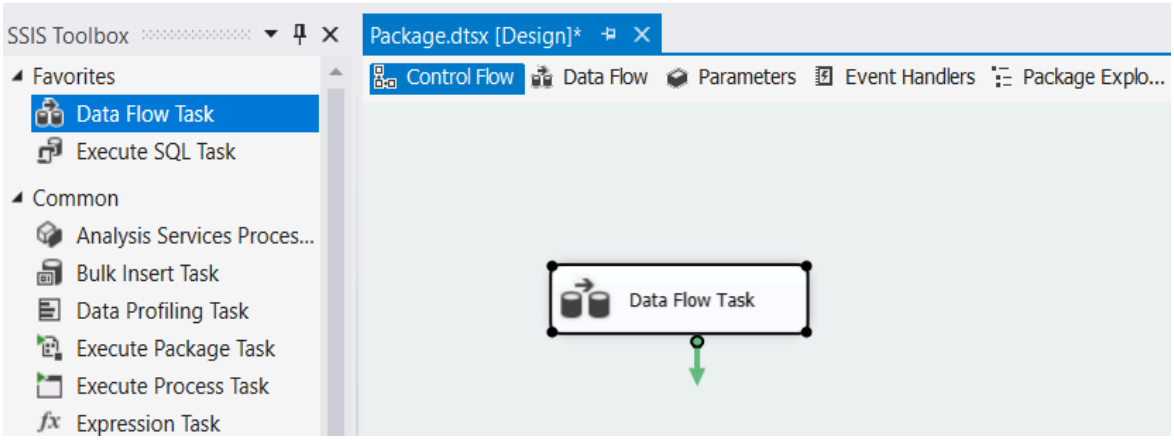


Empty environment appears with Control Flow tab selected

Control Flow decides the sequence of events

Notice Toolbox and Package Properties windows

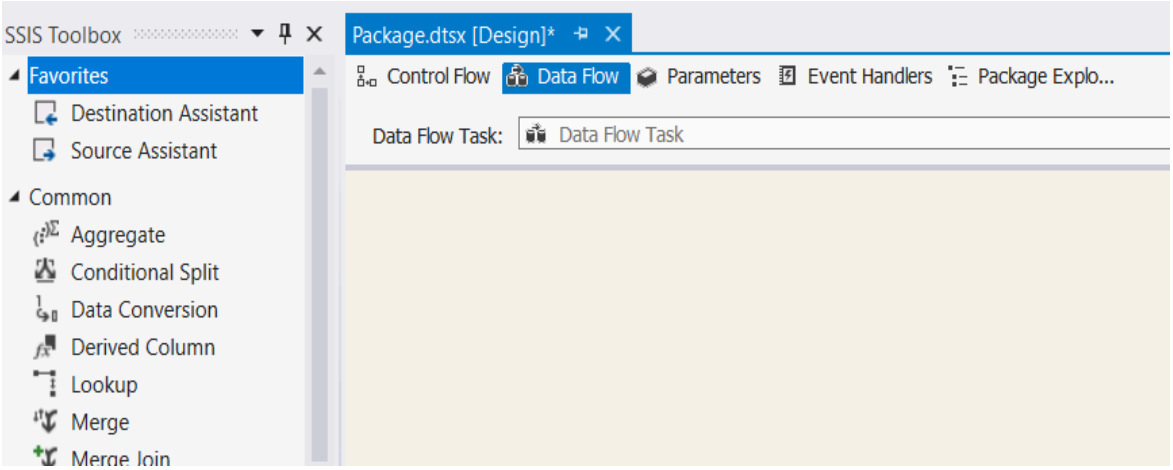
5. Drag Data Flow task to the Design surface



Data Flow: This is the most common task and foundation of packages. It moves data from sources to destinations

Note: The asterik on the package name indicates you have unsaved changes

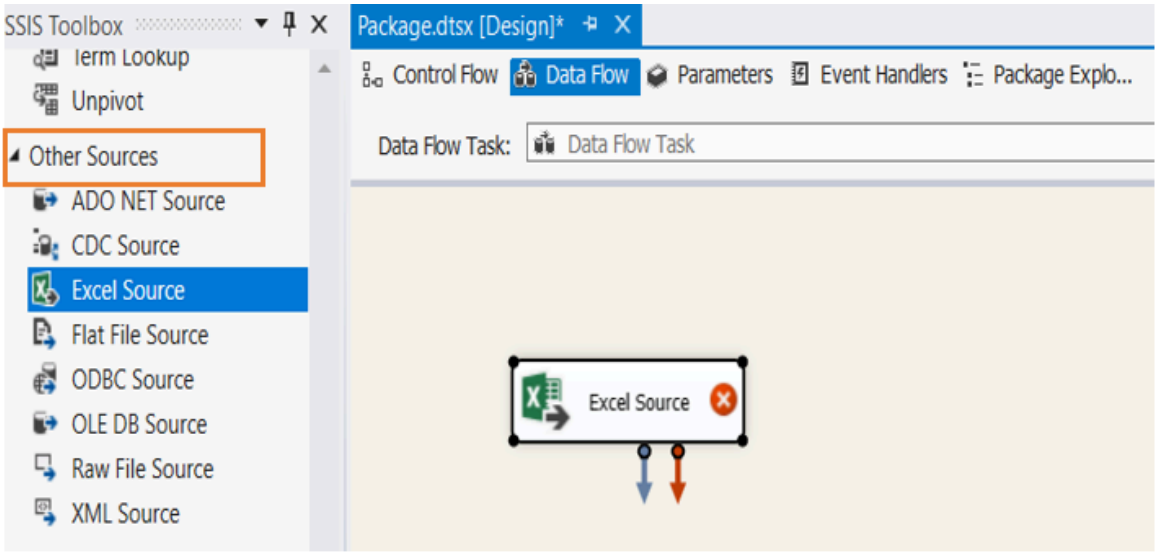
6. Click on Data Flow tab



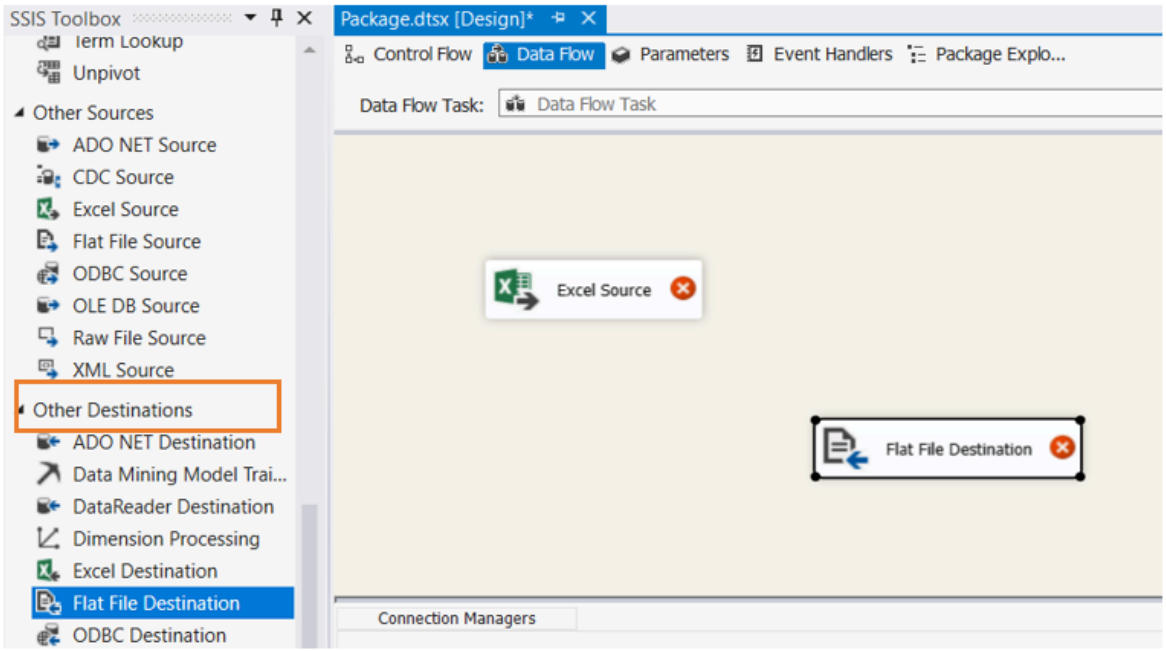
Double-clicking on Data Flow task also switches from Control Flow tab to Data Flow tab

The Toolbox changes from Tasks to Sources, Transformations, Destinations

7. Drag source to environment

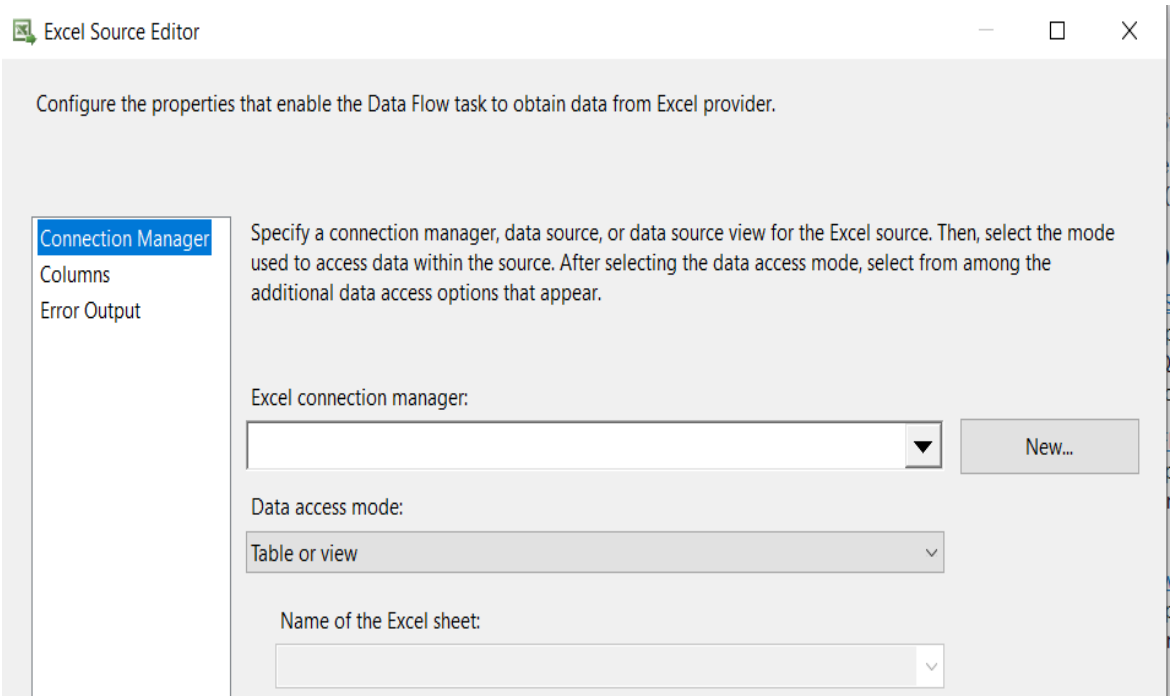


8. Drag destination to environment



The red crosses on source/destination indicate they are missing Connection Manager assignments

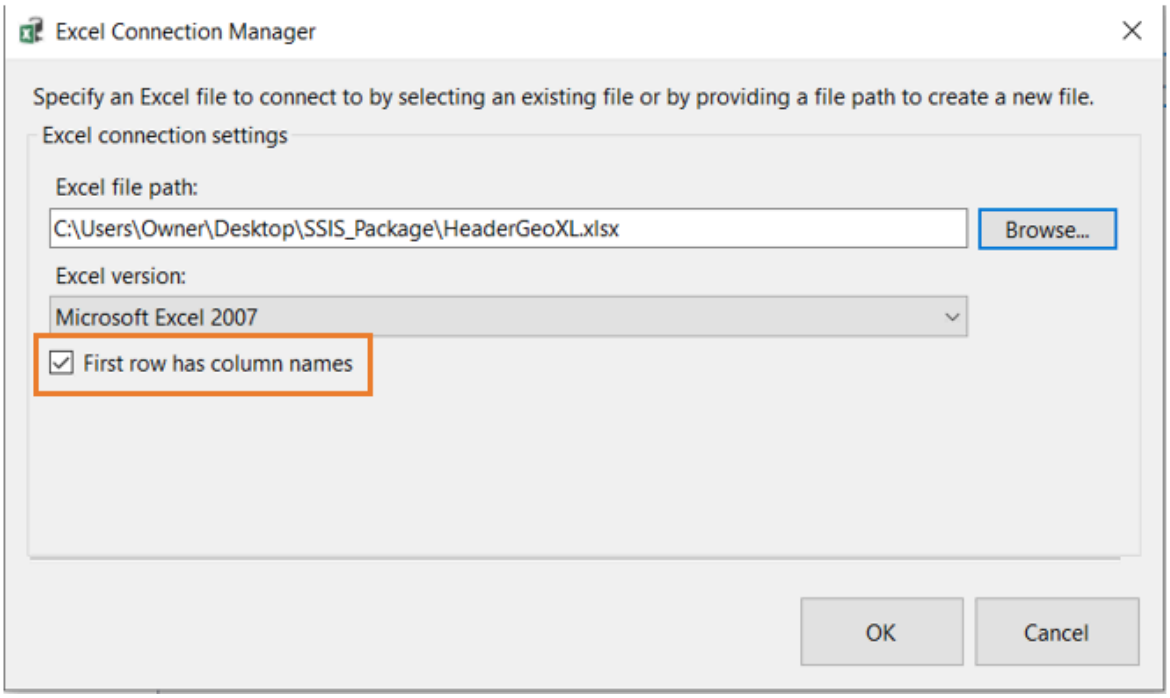
9. Double-click on Excel Source to configure its Connection Manager



10. Click new

    Make sure you have appropriate Excel version selected (.xls (97-2003), xlsx (2007 or later))

    Check 'First row has column names' if your first row has column names

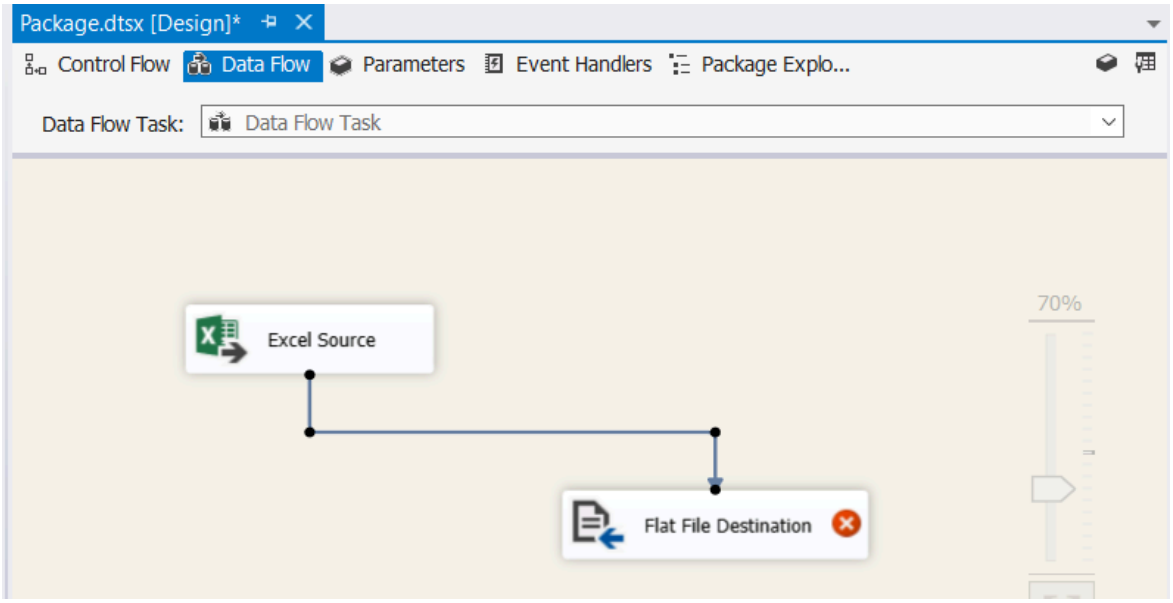


11. Browse to source provider

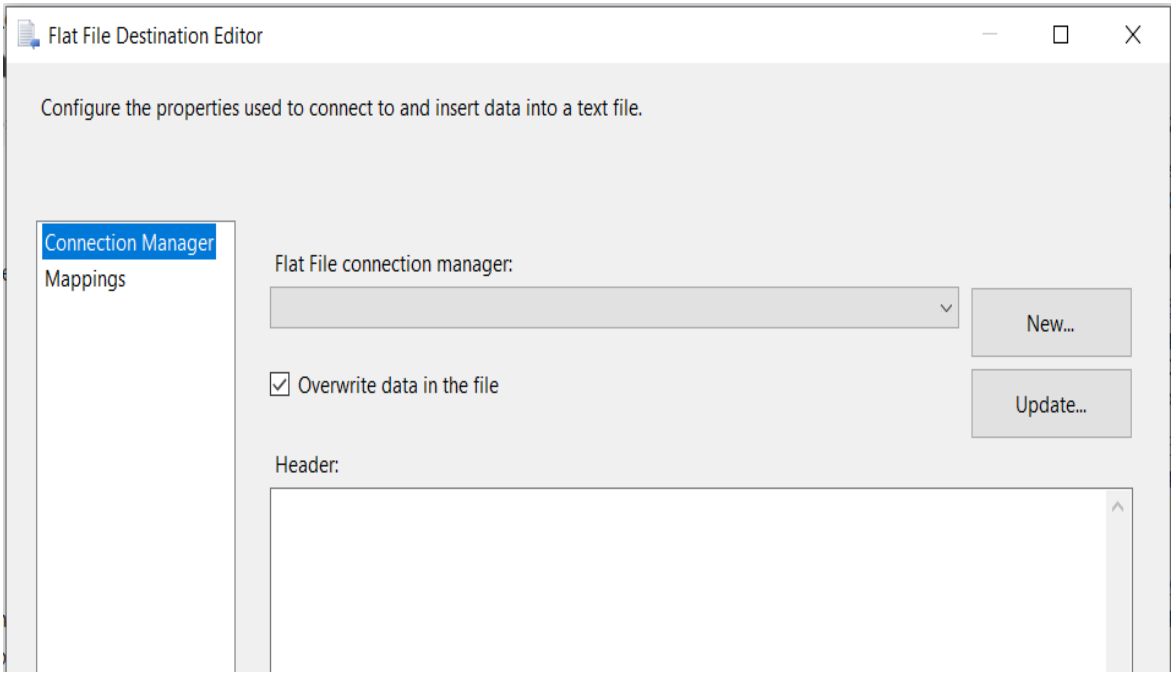
    If you get 'Excel manager failed to connect to source' error, you may need to install 32-bit access drivers for your SSDT
12. Select sheet source
13. Select Columns on Excel Source Editor to view available columns
14. Click OK

    Your Excel Connection Manager appers on 'Connection Managers'

    The red cross on Excel Source disappears
15. Drag connector from source to destination

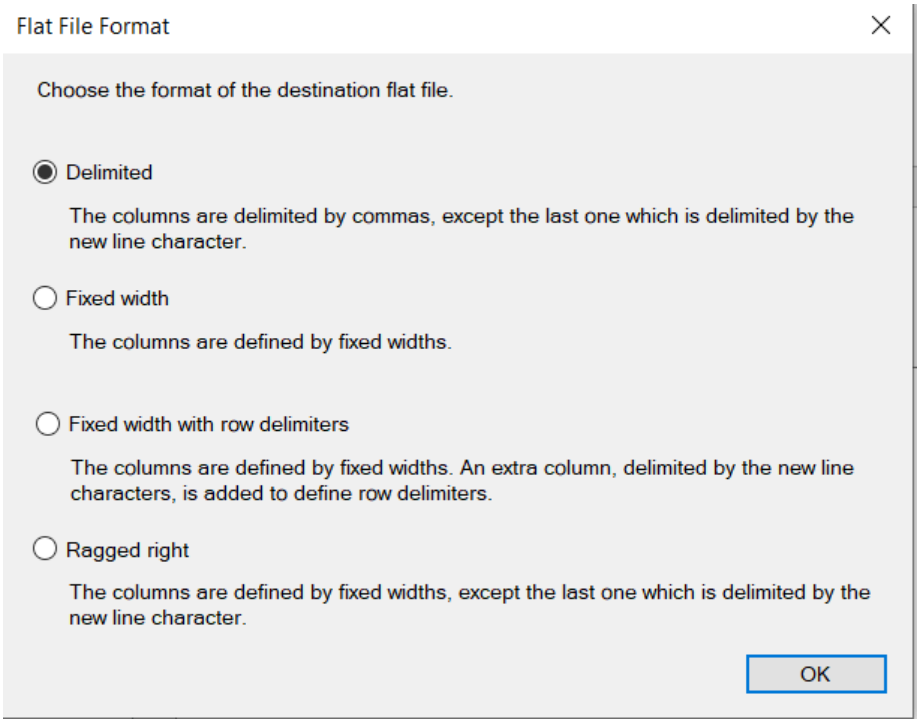


16. Double click on destionation to configure its Connection Manager

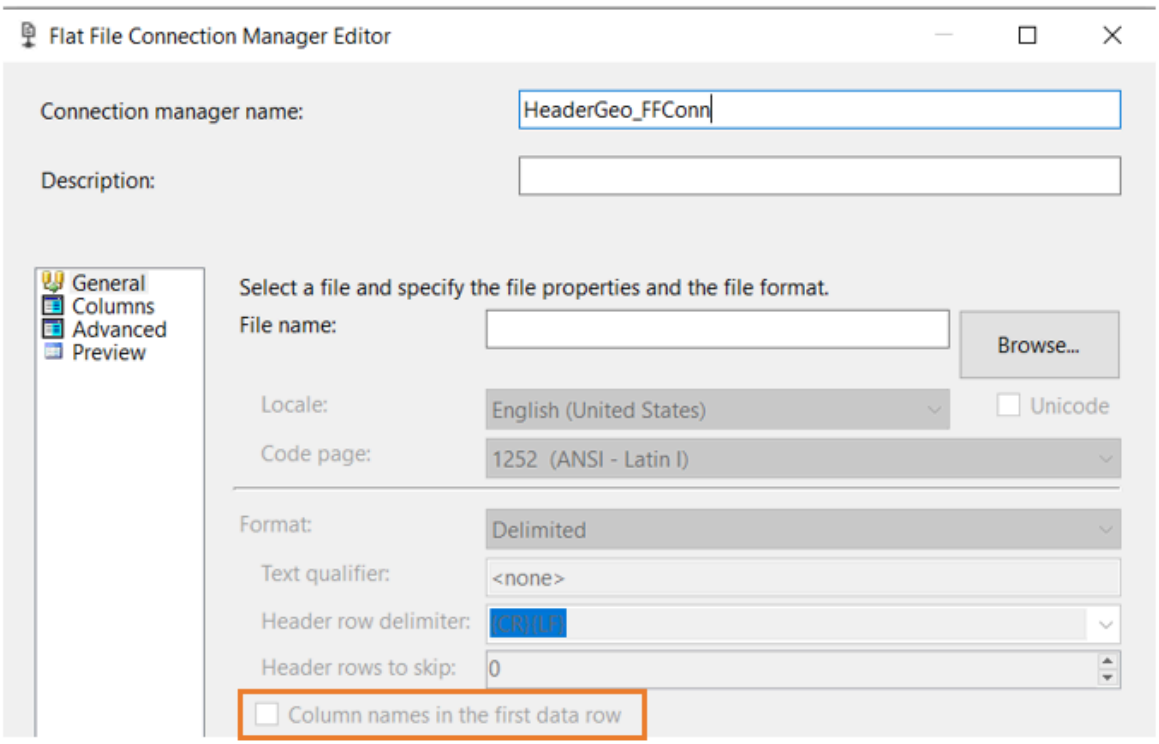


17. Click New

    Leave 'Delimited' selected for a .csv destination



18. Click OK
19. Give a name to your Flat File Connection Manager



20. Click Browse
21. Enter a name for destination file

Make sure destination file name is saved as .csv

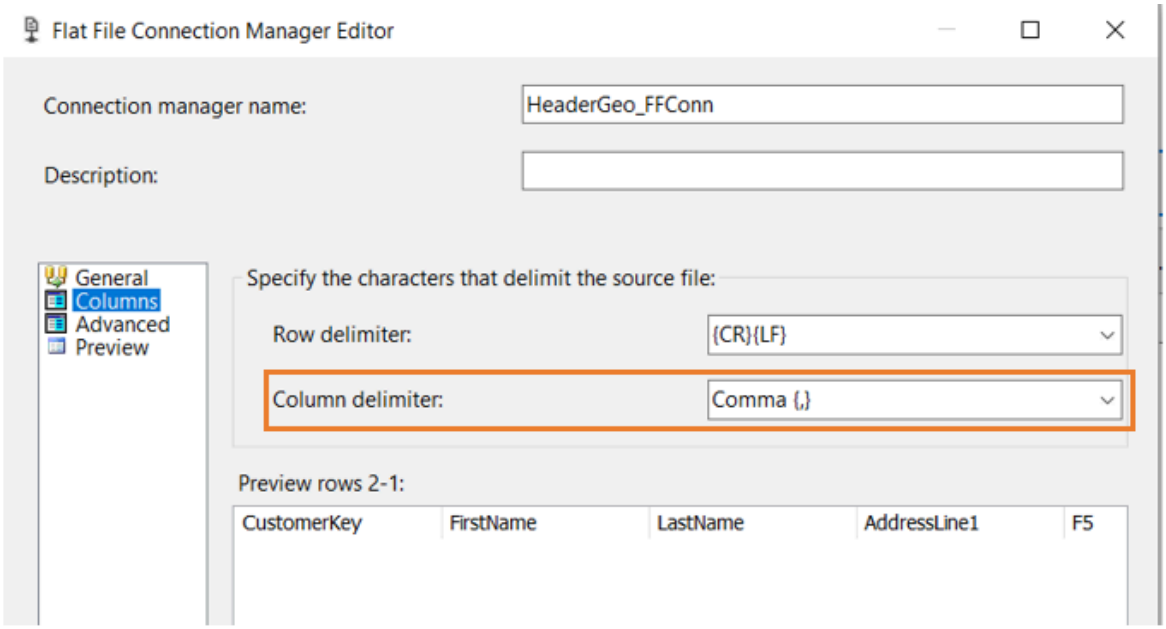
Leave 'Delimited' as Format

Check 'Column names in the first data row'

22. Click Columns

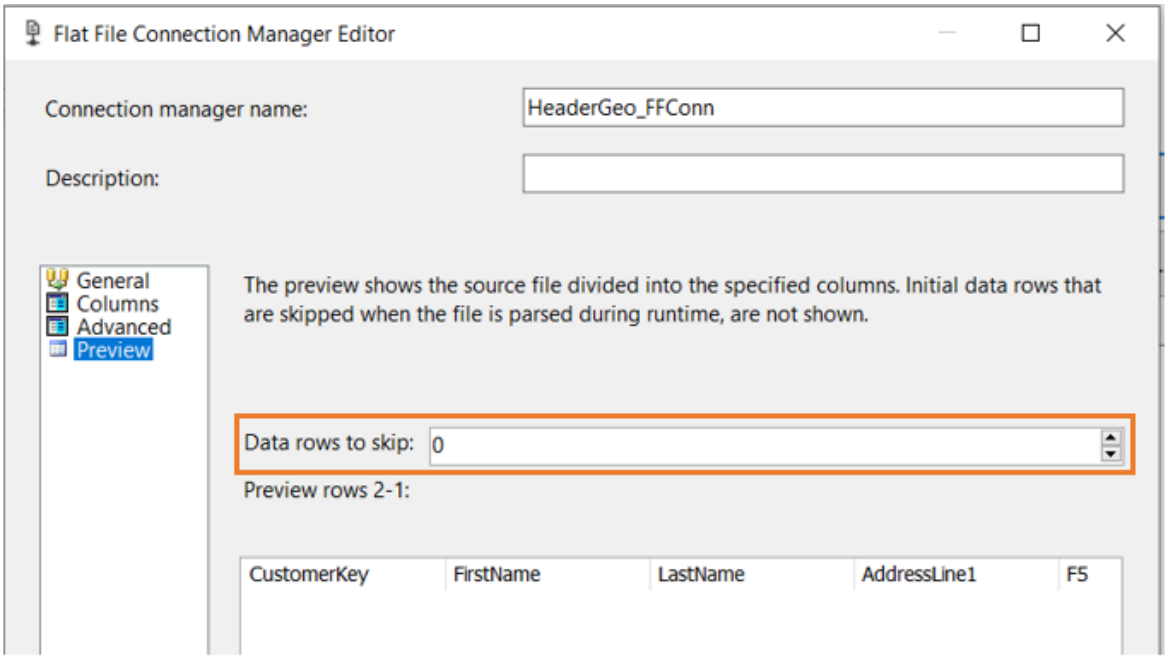
    Column names appear on Preview

23. Set Column Delimiter to Comma {,}

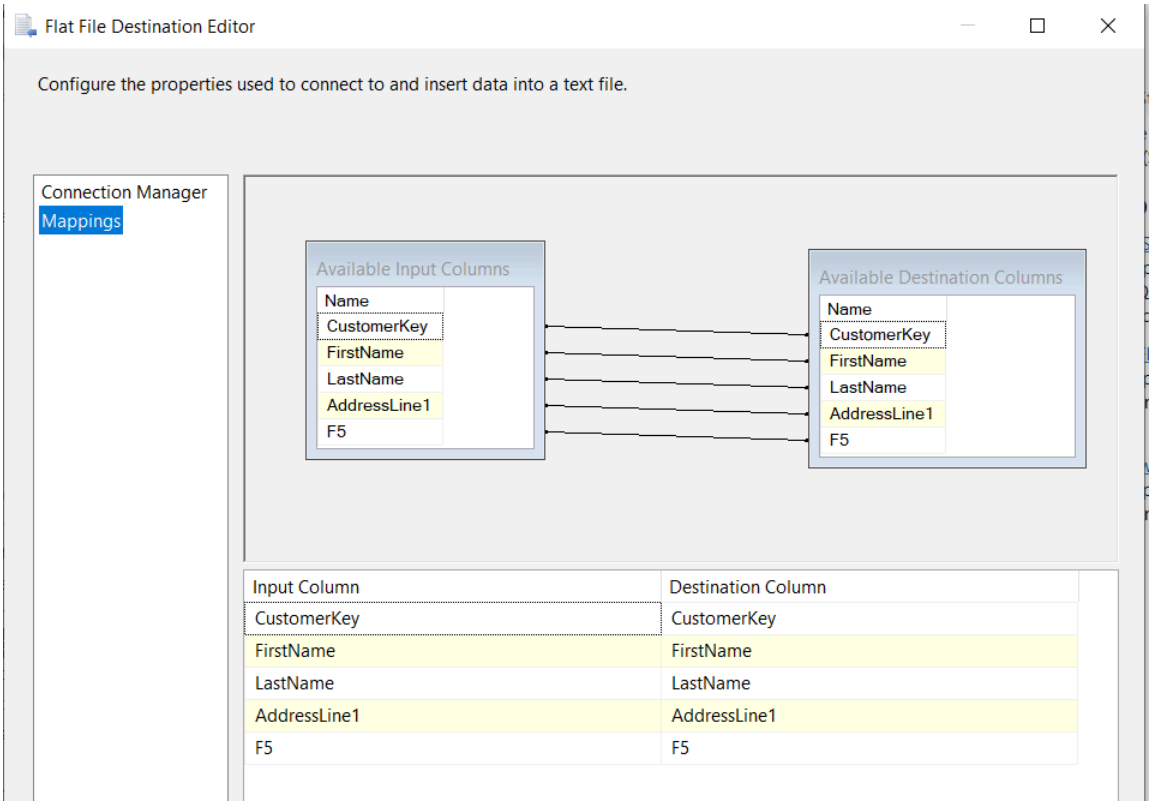


24. Select Preview

    Set 'Data rows to skip' to 0 if you don't want to skip any rows

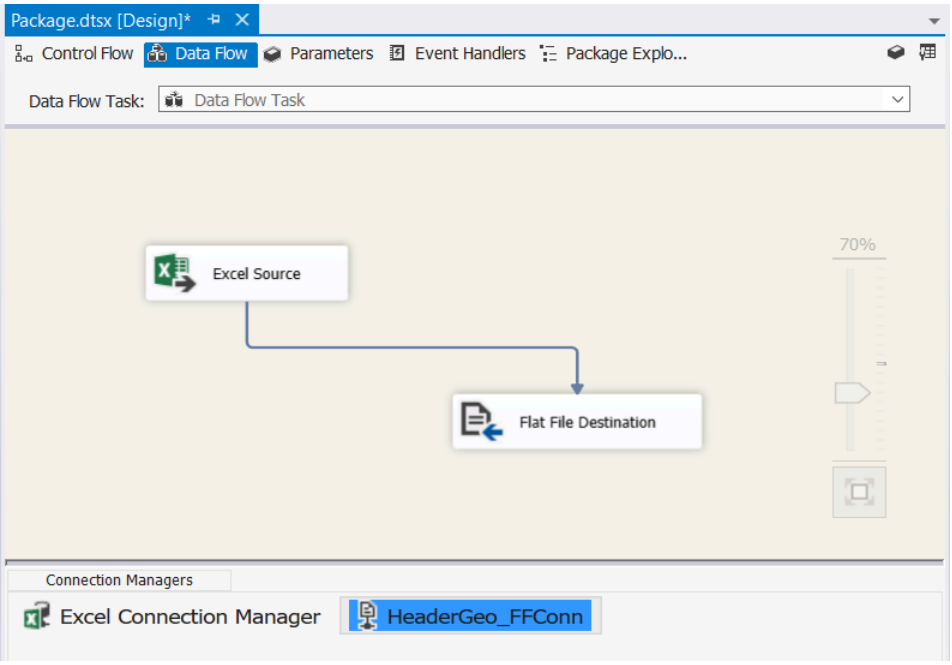


25. Click OK
26. Select Mapping



Match Available Input Columns to Available Destination Columns

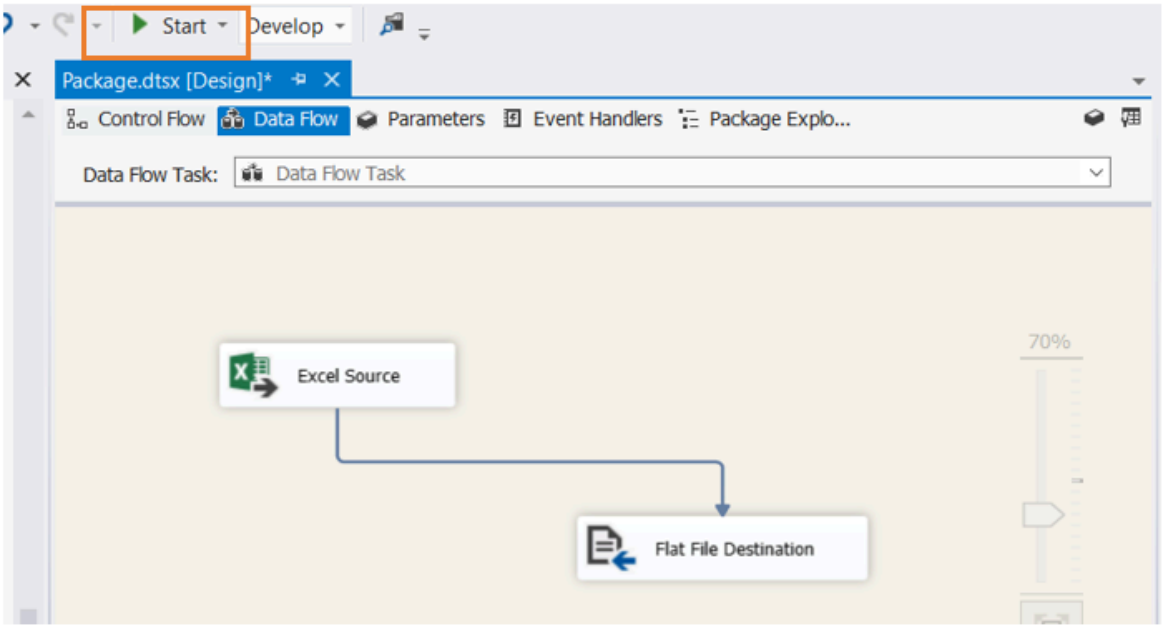
27. Click OK



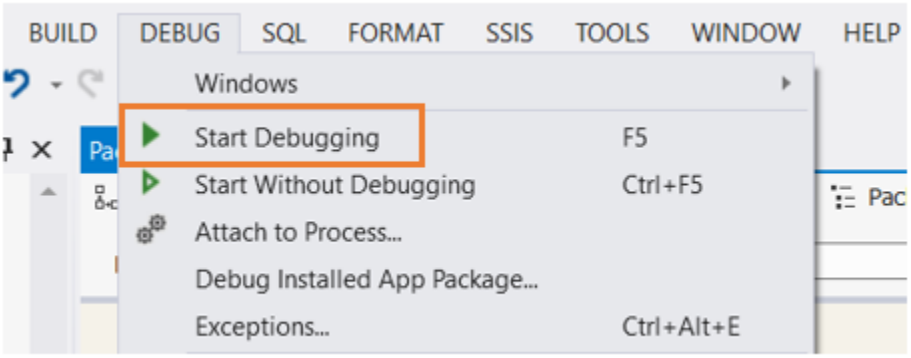
Your Flat File Connection appears on 'Connection Managers'

Red cross on destination disappears

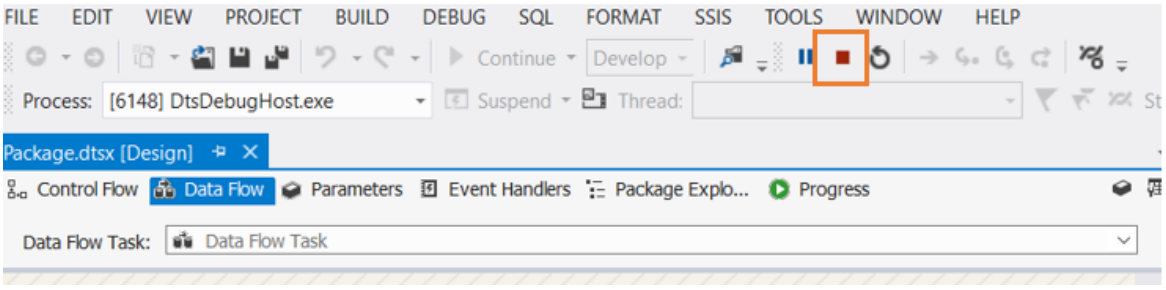
28. Click Start to run the package



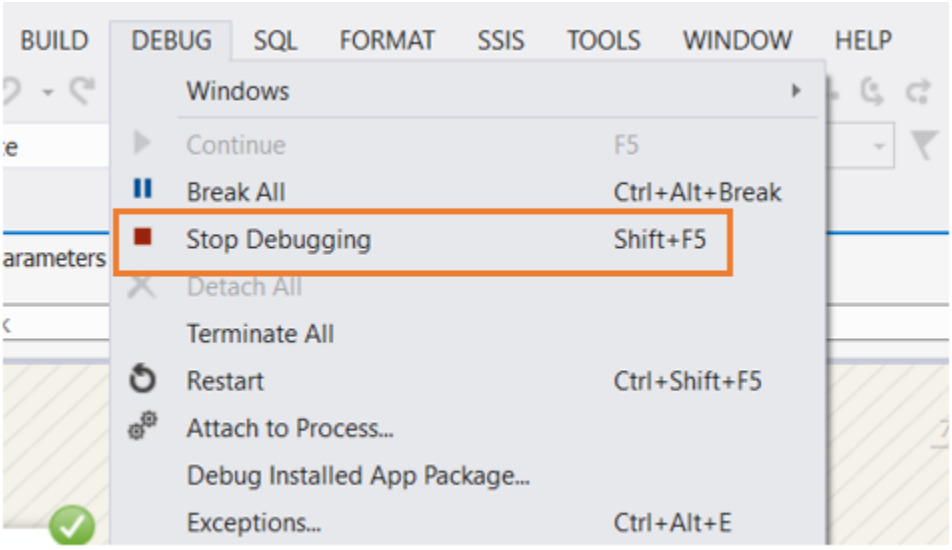
You can also run the pacakge by clicking F5 or Start Debugging under DEBUG



29. Click Stop to end the process



You can also stop the process by clicking Shift+F5 or Stop Debugging under DEBUG



30. Check your destination folder for newly created .csv file